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1119 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	081513-64
First Inventor	Stuart D. Sandberg et al.
Title	<b>Systems And Methods That Provide Frequency Domain Supplemental Training Of The Time Domain Equalizer For DMT</b>
Express Mail Label No.	

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
- ☒ Specification [Total Pages 17]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 03]
- Oath or Declaration [Total Pages ]
  - ☐ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- ☒ Application Data Sheet. See 37 CFR 1.76

- ADDRESS TO: Commissioner for Patents  
Box Patent Application  
Washington, DC 20231
- CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
  - Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
    - Computer Readable Form (CRF)
    - Specification Sequence Listing on:
      - ☐ CD-ROM or CD-R (2 copies); or
      - ☐ paper
    - Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- Assignment Papers (cover sheet & document(s))
- 37 CFR 3.73(b) Statement of Attorney (when there is an assignee)
- English Translation Document (if applicable)
- Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
- Preliminary Amendment
- Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- Certified Copy of Priority Document(s) (if foreign priority is claimed)
- Nonpublication request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_  
Prior application information: \_\_\_\_\_ Examiner: \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	22204	or	<input checked="" type="checkbox"/> Correspondence address below
(Insert Customer Number or Attach bar code label here)			
Name	Jason H. VICK		
Address	NIXON PEABODY LLP		
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Country	United States	Telephone	(703) 790-9110
		Zip Code	22102
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Name (Print/Type)	Jason H. Vick	Registration No. (Attorney/Agent)	45,285
Signature			Date October 19, 2001

**FEE TRANSMITTAL  
FOR FY 2001**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** **\$920.00**

Application Number New Application  
 Filing Date October 19, 2001  
 First Named Inventor Stuart D. Sandberg et al.  
 Examiner Name Not yet assigned  
 Group Art Unit Not yet assigned  
 Attorney Docket No. 081513-64

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account Number 19-2380Deposit  
Account Name Nixon Peabody LLP

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status.  
See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
101 740 201	370	Utility filing fee	740.00
106 330 206	165	Design filing fee	
107 510 207	255	Plant filing fee	
108 740 208	370	Reissue filing fee	
114 160 214	80	Provisional filing fee	

**SUBTOTAL (1)** **\$740.00****2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
30	-20** = 10	X 18.00	= \$180.00
Independent Claims	3	-3** =	X =
Multiple Dependent			=

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
103 18 203	9	Claims in excess of 20	
102 84 202	42	Independent claims in excess of 3	
104 280 204	140	Multiple dependent claim, if not paid	
109 84 209	42	** Reissue independent claims over original patent	
110 18 210	9	** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)** **\$180.00**

\*\* or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Fee Code	Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	Fee Paid
105 130 205	65		Surcharge - late filing fee or oath	
127 50 227	25		Surcharge - late provisional filing fee or cover sheet	
139 130 139	130		Non-English transaction	
147 2,520 147	2,520		For filing a request for <i>ex parte</i> reexamination	
112 920* 112	920*		920* Requesting publication of SIR prior to Examiner action	
113 1,840* 113	1,840*		1,840* Requesting publication of SIR after Examiner action	
115 110 215	55		Extension for reply within first month	
116 400 200	200		Extension for reply within second month	
117 920 460	460		Extension for reply within third month	
118 1,440 720	720		Extension for reply within fourth month	
128 1,960 228	980		Extension for reply within fifth month	
119 320 219	160		Notice of Appeal	
120 320 220	160		Filing a brief in support of an appeal	
121 280 221	140		Request for oral hearing	
138 1,510 138	1,510		Petition to institute a public use proceeding	
140 110 240	55		Petition to revive - unavoidable	
141 1,280 241	640		Petition to revive - unintentional	
142 1,280 242	640		Utility issue fee (or reissue)	
143 460 243	230		Design issue fee	
144 620 244	310		Plant issue fee	
122 130 122	130		Petitions to the Commissioner	
123 50 123	50		Processing fee under 37 CFR 1.17(q)	
126 180 126	180		Submission of Information Disclosure Stmt	
581 40 581	40		Recording each patent assignment per property (times number of properties)	
146 740 246	370		Filing a submission after final rejection (37 CFR § 1.129(a))	
149 740 249	370		For each additional invention to be examined (37 CFR § 1.29(b))	
179 740 279	370		Request for Continued Examination (RCE)	
169 900 169	900		Request for expedited examination of a design application	
Other fee (specify) _____				
* Reduced by Basic Filing Fee Paid				
<b>SUBTOTAL (3)</b> <b>\$</b>				

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20531, on \_\_\_\_\_

Name \_\_\_\_\_

**SUBMITTED BY**Name (Print/Type) Jason H. Vick  
Signature \_\_\_\_\_Registration No. 45,285  
(Attorney/Agent)**Complete (if applicable)**Telephone 703-790-9110  
Date October 19, 2001